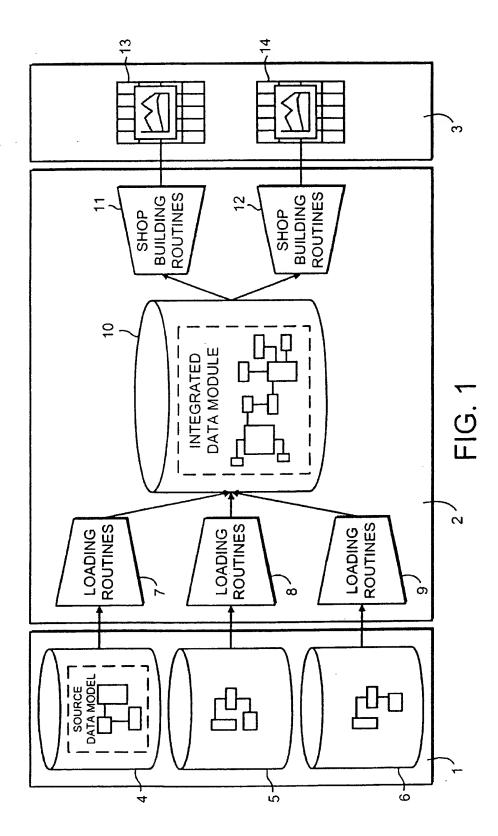


Title: DATA PROCESSING SYSTEM Docket No.: SHSI-01000US1

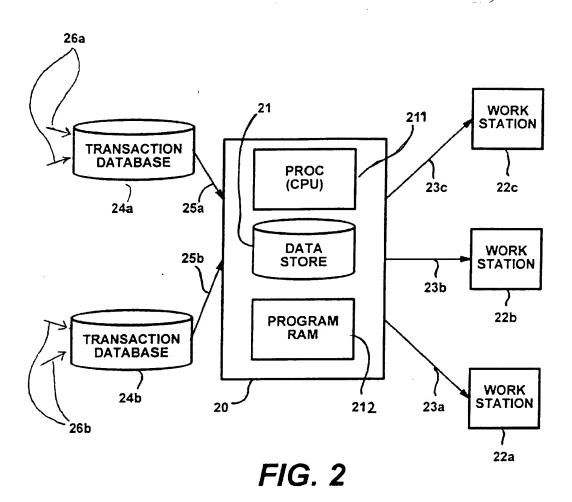
Docket No.: SHSI-01000 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 1 of 24



Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 2 of 24



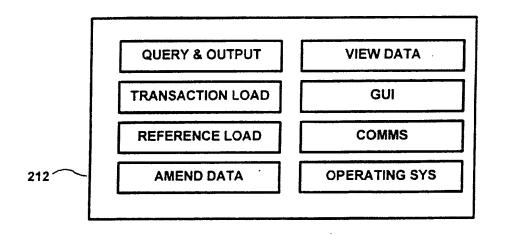
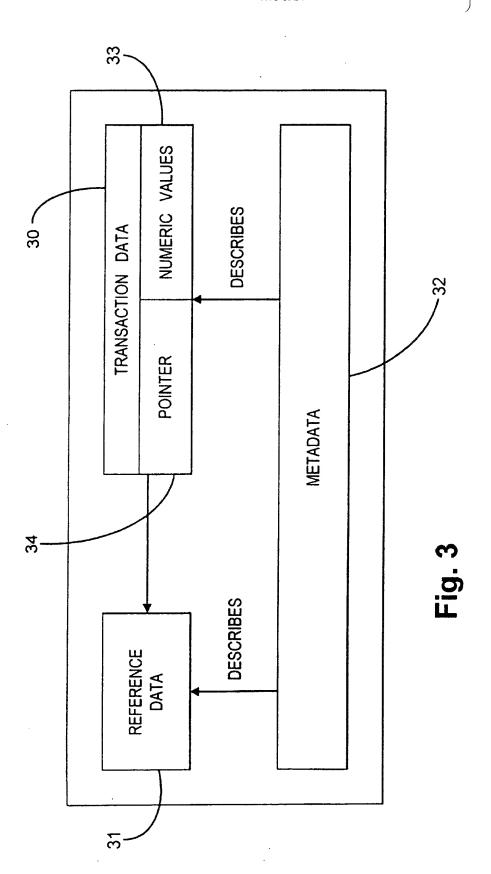


FIG. 20

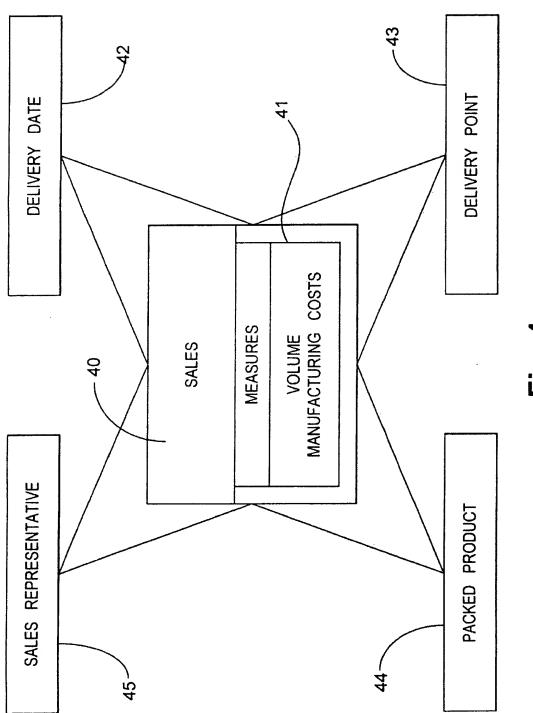
Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 3 of 24



Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 4 of 24



Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 5 of 24

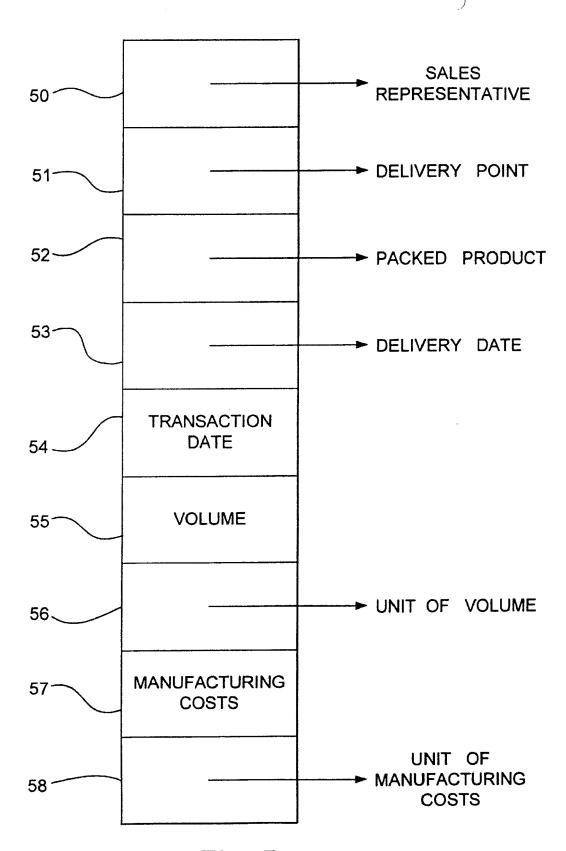


Fig. 5

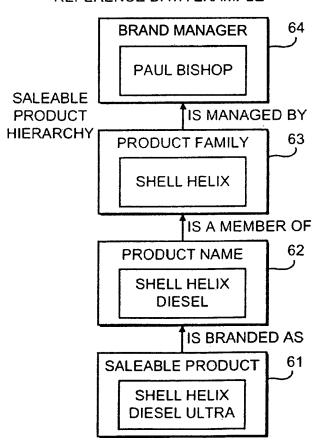
Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999

Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 6 of 24

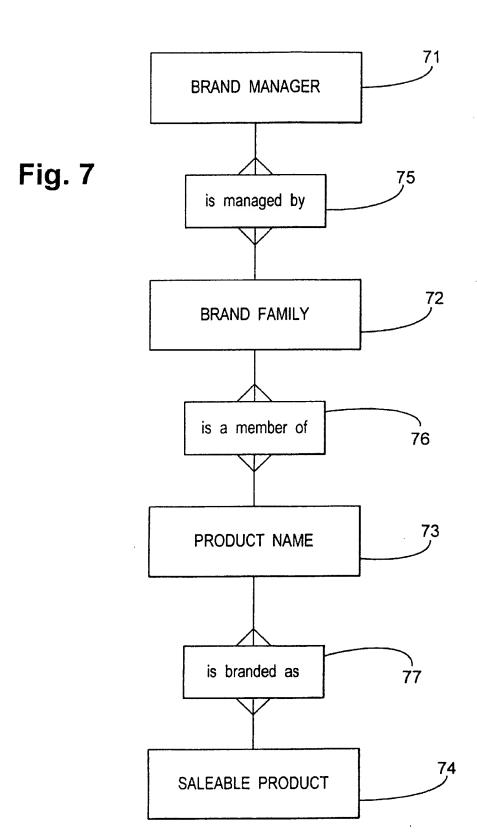
FIG. 6

REFERENCE DATA EXAMPLE



Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 7 of 24



Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 8 of 24

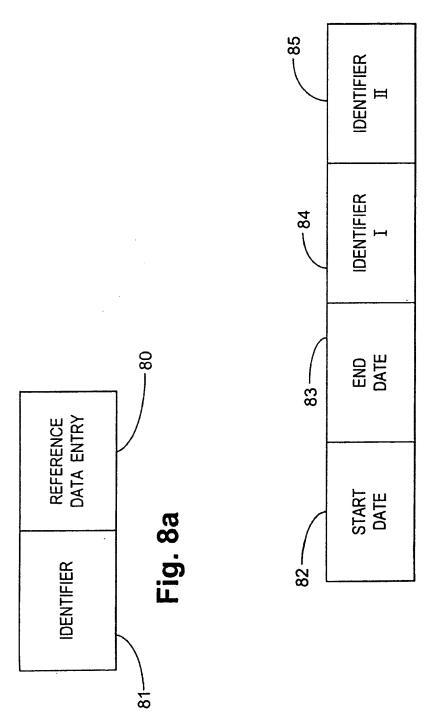
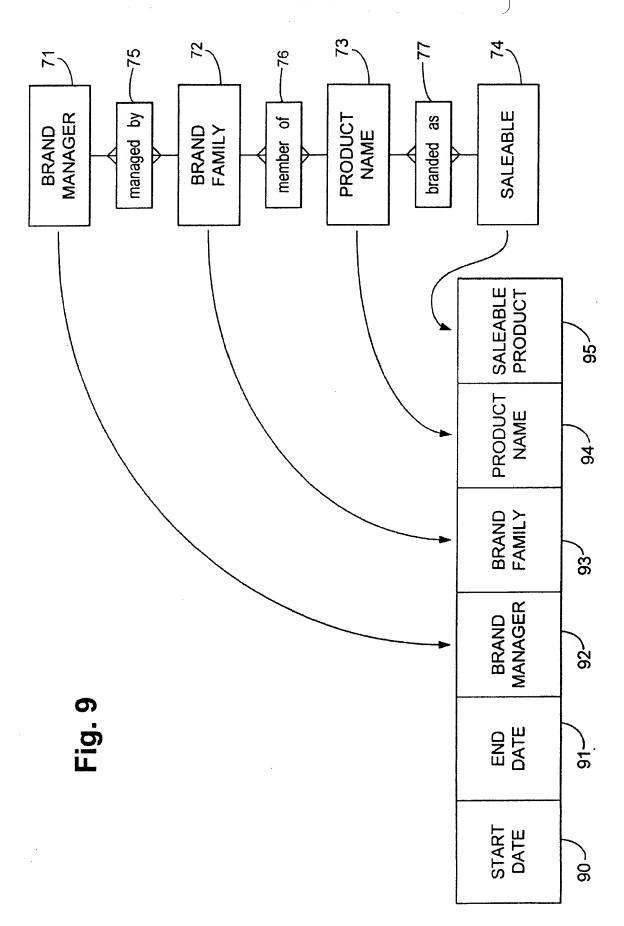


Fig. 8b

Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 9 of 24



Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999

Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 10 of 24

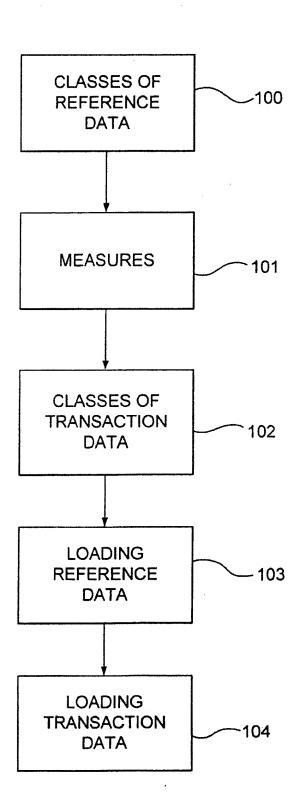


Fig. 10

Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

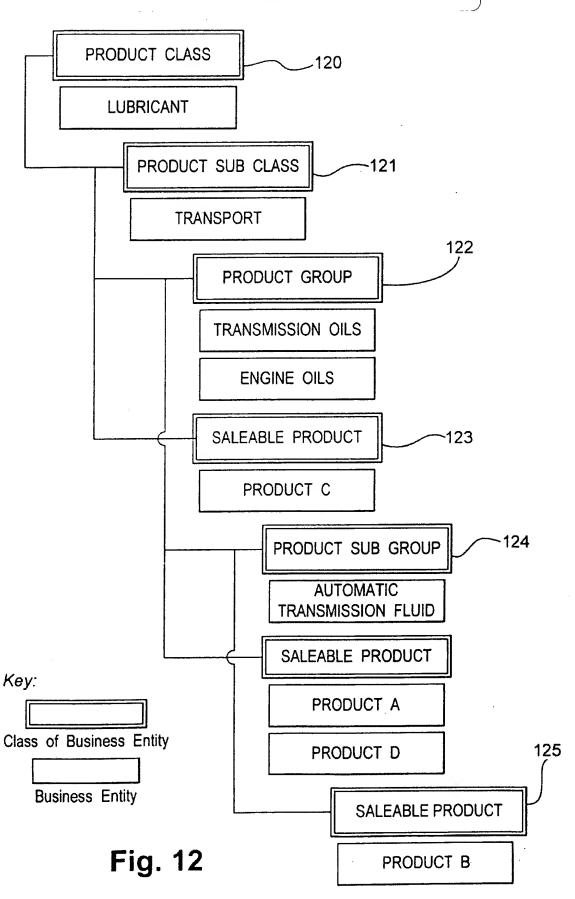
Sheet 11 of 24

111	112	113	114	115
PRODUCT	LUBRICANT	LUBRICANT	LUBRICANT	LUBRICANT
PRODUCT SUB GROUP	TRANSPORT	TRANSPORT	TRANSPORT	TRANSPORT
PRODUCT GROUP	TRANSMISSION OILS	TRANSMISSION OILS		ENGINE
PRODUCT SUB GROUP		AUTOMATIC TRANSMISSION FLUID		
SALEABLE PRODUCT	PRODUCT A	PRODUCT B	PRODUCT C	PRODUCT D

Title: DATA PROCESSING SYSTEM Docket No.: SHSI-01000US1

Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 12 of 24



Title: DATA PROCESSING SYSTEM Docket No.: SHSI-01000US1 Appl. No.: 09/269,624

Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 13 of 24

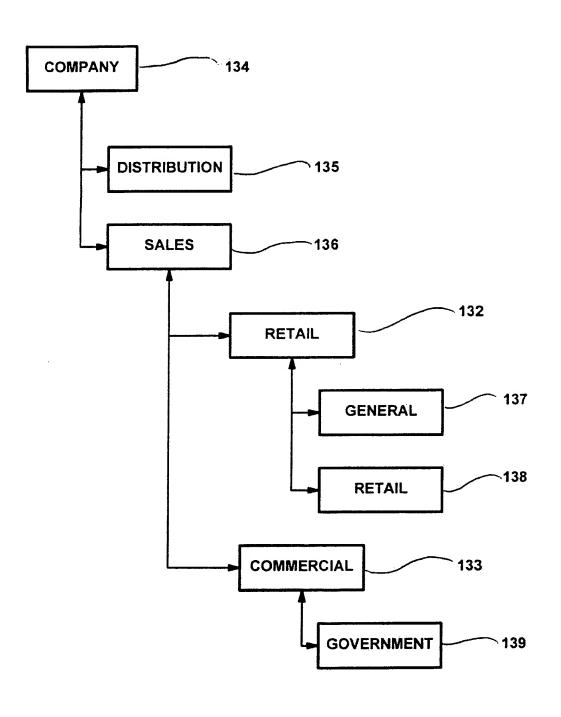
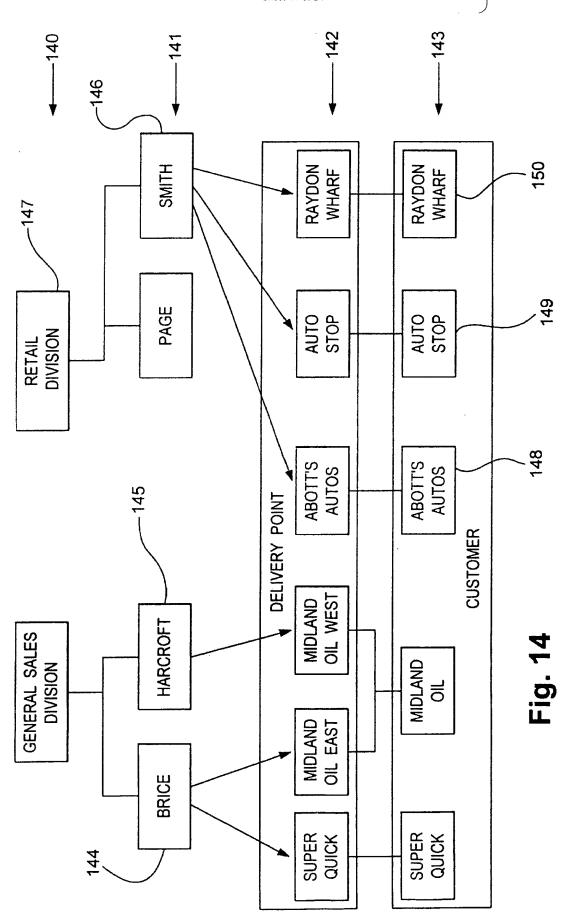


FIG. 13

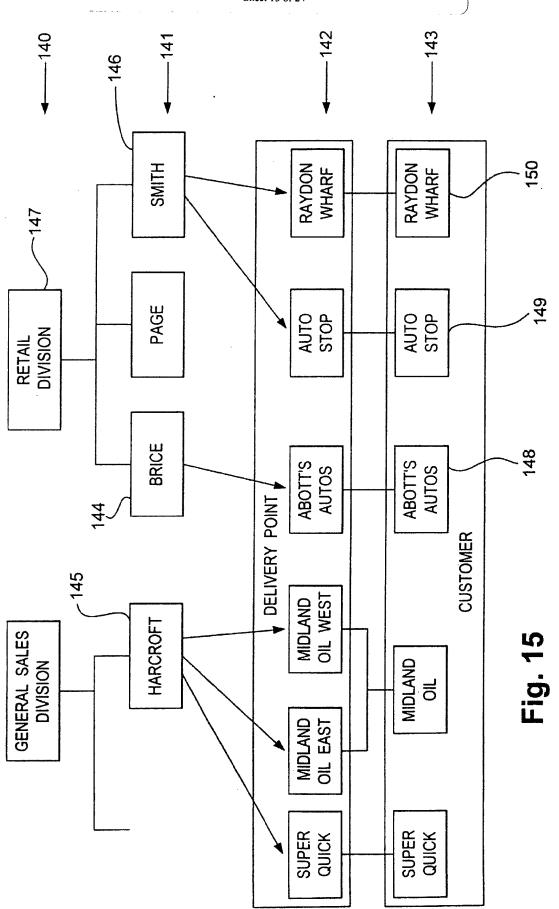
Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 14 of 24



Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

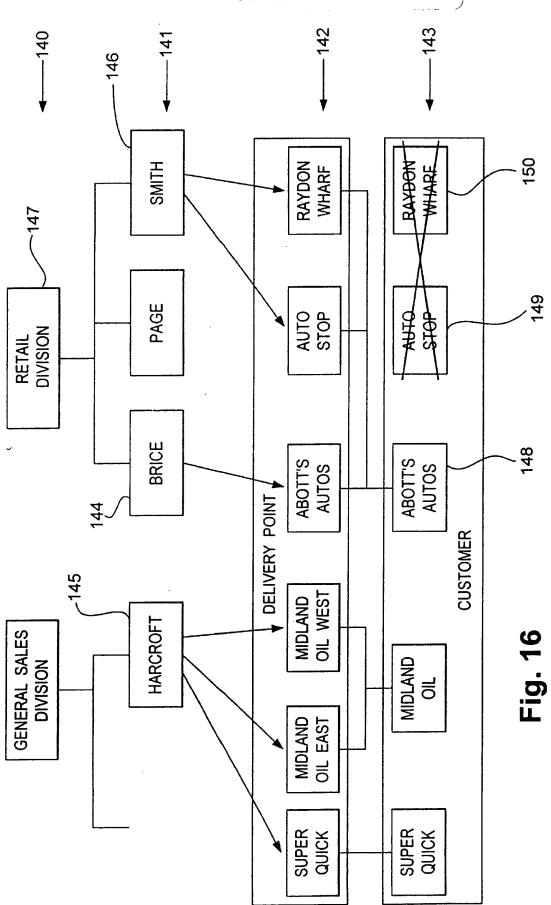
Sheet 15 of 24



Title: DATA PROCESSING SYSTEM Docket No.: SHSI-01000US1 Appl. No.: 09/269,624

Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 16 of 24



Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 17 of 24

₩ G	ি GENIE Version 1.0b								
<u>F</u> ile	<u>E</u> dit	Tools	<u>S</u> ystem	<u>V</u> iew	<u>W</u> indows	<u>H</u> elp			
₩ Warehouse Explorer : 1									
Genie Version 1.0 Standard Database									
+ Dimensions									
+ Measures									
+ Query Definitions									
Classes of Transaction									
+ System									

Fig. 17a

Title: DATA PROCESSING SYSTEM Docket No.: SHSI-01000US1

Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 18 of 24

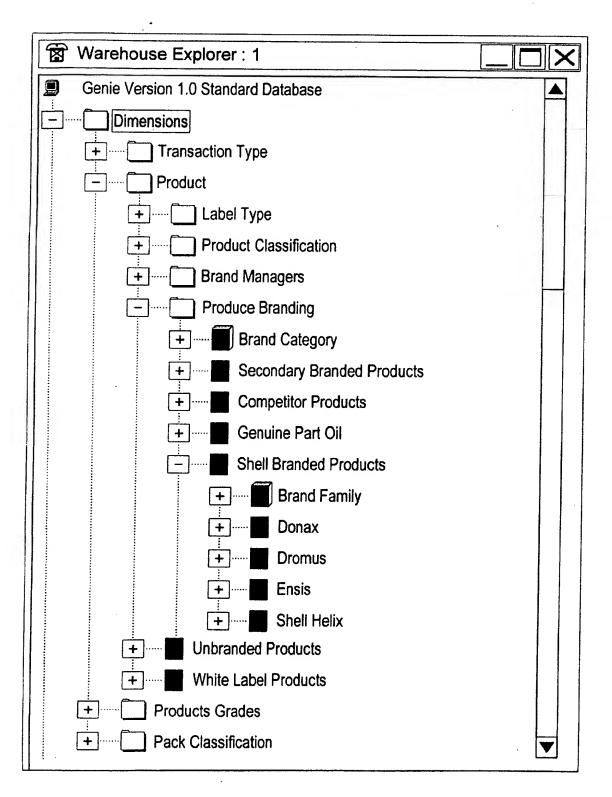


Fig. 17b

Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999

Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 19 of 24

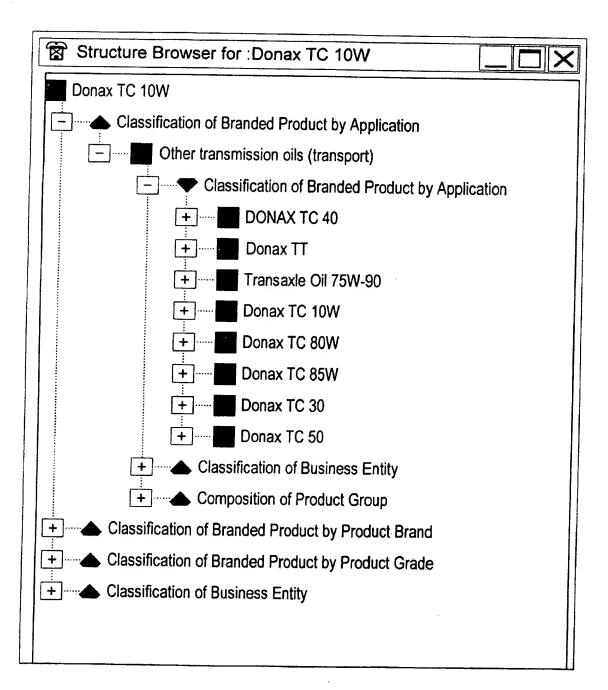
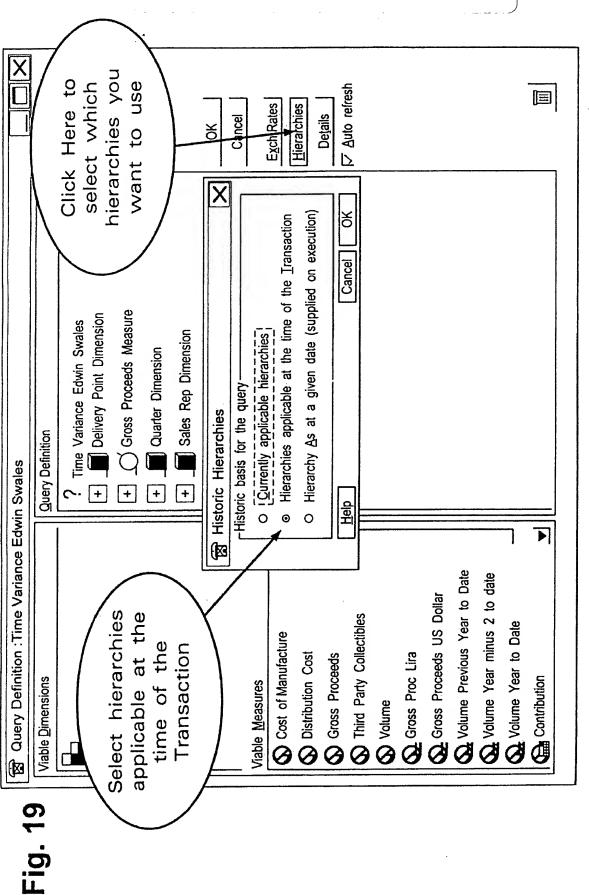


Fig. 18

Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999

Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 20 of 24



Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 21 of 24

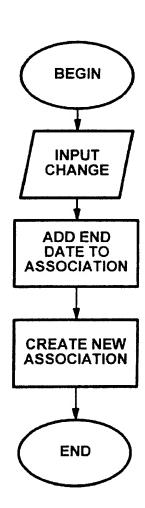
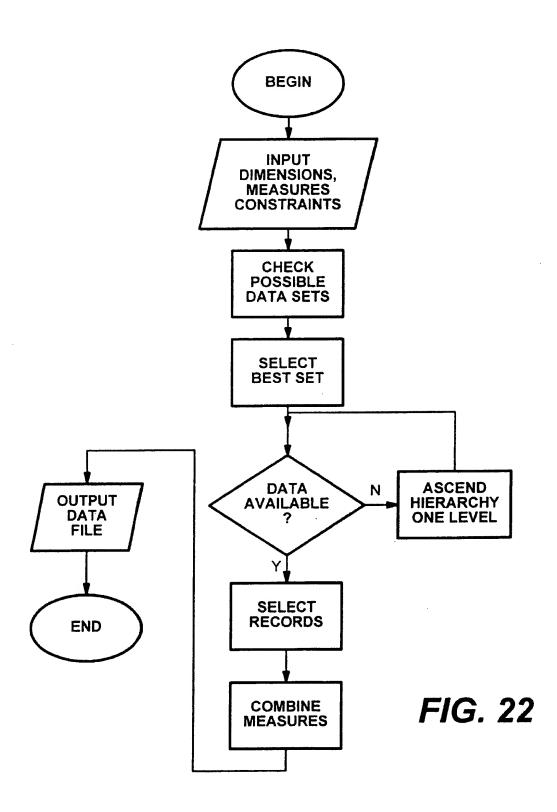


FIG. 21

Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 22 of 24



Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 23 of 24

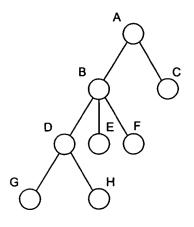


FIG. 23

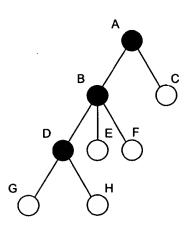


FIG. 24

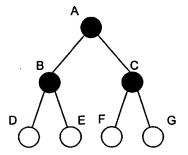
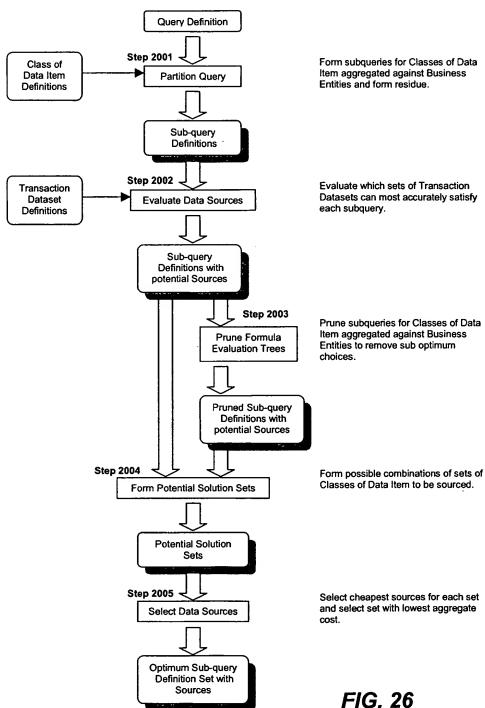


FIG. 25

Docket No.: SHSI-01000US1 Appl. No.: 09/269,624 Confirm No.: 1336 Filed: March 30, 1999 Inventor(s): Angus et al. Attorney: Thomas A. Ward Phone: (415) 362-3800

Sheet 24 of 24



. C. 20